

5

WHAT IS CLAIMED:

1. A liquid pressure dissipater means consisting of a housing, a liquid inlet conduit attachment, an internal means to dissipate energy in the form of pressure, and a liquid outlet, mounted on a mobile vehicle.
- 10 2. The means in claim 1 with the addition of a utility valve actuator means chosen from a hydraulic motor, a DC motor, an AC motor, an air motor or air cylinder.
- 15 3. A vacuum system consisting of a vacuum container, a vacuum producing means, a filter, a vacuum conduit and a liquid pressure dissipater means consisting of a housing, a liquid inlet conduit attachment, an internal means to dissipate energy in the form of pressure and a liquid outlet, mounted on a mobile means.
- 20 4. A vacuum system consisting of a vacuum container, a vacuum producing means, a filter a vacuum conduit and a valve actuator means chosen from a hydraulic motor, a DC motor, an AC motor, an air motor, or air cylinder, mounted on a mobile means.

- 5 5. The means in claim 2 or 4 wherein the utility valve actuator means attaches in proximity to a first end of an articulating boom arm and a second end of the articulating boom is mounted directly or indirectly to a mobile vehicle or trailer or directly to a liquid pressure
- 10 dissipater housing, and said articulating boom arm is chosen from a manually manipulated boom, a manually manipulated boom with spring assist, an air operated boom, a hydraulic boom or an electrically operated boom.
- 15 6. The means in claim 3 or 4 wherein a water pressure system consisting of a water storage tank, a water pump, a water hose or a nozzle are added to the system to clean, or make debris, dirt or gravel vacuum able.
- 20 7. The means in claim 3 or 4 wherein and air compressor, an air reservoir, an air hose or air nozzle are used to dislodge and make debris, dirt, or gravel vacuum able.
8. The means in claim 1, 2, 3, 4, 5, 6, or 7 wherein a Global Positioning System determines the geographic location of a valve, or a utility or a repair site and

5

transmits or downloads the information to a computer program or map.

9. The means in claim 1, 2, 3, 4, 5, 6, or 7 wherein measuring means record and document the torque required to open or close a valve, the flow through a valve fully open, fully closed, and in between as well as temperature, pressure, number of revolutions to open or close the valve and condition of the valve.
10. The means in claim 1, 2, 3, 5, 6, or 7 wherein a de-chlorinator is used to remove chlorine from water.
11. The means in claim 1, 2, 3, 4, 5, 6, or 7 wherein a toolbox, workstation, computer station, or hydraulic tool storage or connections are a part of the system.

10

15

20